



## Material Content Data Sheet



<b>Sales Product Name</b>		IPAW60R280CE		<b>Issued</b>		1. August 2018			
<b>MA#</b>		MA001418670							
<b>Package</b>		PG-TO220-3-315		<b>Weight*</b>		1864.04 mg			
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]	
chip	inorganic material	silicon	7440-21-3	5.826	0.31	0.31	3125	3125	
leadframe	non noble metal	iron	7439-89-6	0.632	0.03		339		
	inorganic material	phosphorus	7723-14-0	0.190	0.01		102		
	non noble metal	copper	7440-50-8	630.863	33.84	33.88	338439	338880	
wire	non noble metal	aluminium	7429-90-5	2.976	0.16	0.16	1596	1596	
encapsulation	organic material	carbon black	1333-86-4	15.335	0.82		8227		
	plastics	epoxy resin	-	233.786	12.54		125419		
	inorganic material	silicondioxide	60676-86-0	963.583	51.71	65.07	516933	650579	
leadfinish	non noble metal	tin	7440-31-5	7.729	0.41	0.41	4147	4147	
solder	non noble metal	antimony	7440-36-0	0.312	0.02		167		
	noble metal	silver	7440-22-4	0.780	0.04		418		
	non noble metal	tin	7440-31-5	2.028	0.11	0.17	1088	1673	
*deviation	< 10%					Sum in total:	100.00		1000000

### Important Remarks:

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This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption

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